

DESCRIPTION

PMI MODEL NUMBER APD-8-20M6G-28V IS AN 8-WAY AMPLIFIED POWER DIVIDER MODULE FOR USE OVER THE FREQUENCY RANGE OF 20 MHz TO 6.0 GHz WITH 6 dB OF GAIN, AND AN OUTPUT COMPRESSION OF 1dB AT 10 dBm OVER THE FREQUENCY RANGE OF 20 to 3000 MHz. THIS MODEL IS DESIGNED TO HAVE A RELATIVELY LOW NOISE FIGURE OVER A BROAD FREQUENCY RANGE.

SPECIFICATIONS

- FREQUENCY RANGE: 20 MHz TO 6.0 GHz
- GAIN: 6 dB, ± 3 dB MAX
- VSWR: 2 : 1 MAX
- NOISE FIGURE: 9 dB (70 to 3000 MHz) MAX
10 dB (20 to 6000 MHz) TYP
- OUTPUT POWER P1 dB: 10 dBm (20 to 3000 MHz) MIN
9 dBm (3.0 to 6.0 GHz) TYP
- INPUT POWER: 33 dBm MAX (SURVIVAL)
- POWER SUPPLY: +28V @ +350mA MAX
- SIZE: 4.00" X 2.00" X 0.40"
- WEIGHT: 140 GRAMS MAX
- FINISH: PAINTED BLUE

9-PIN CONNECTOR PIN-OUT

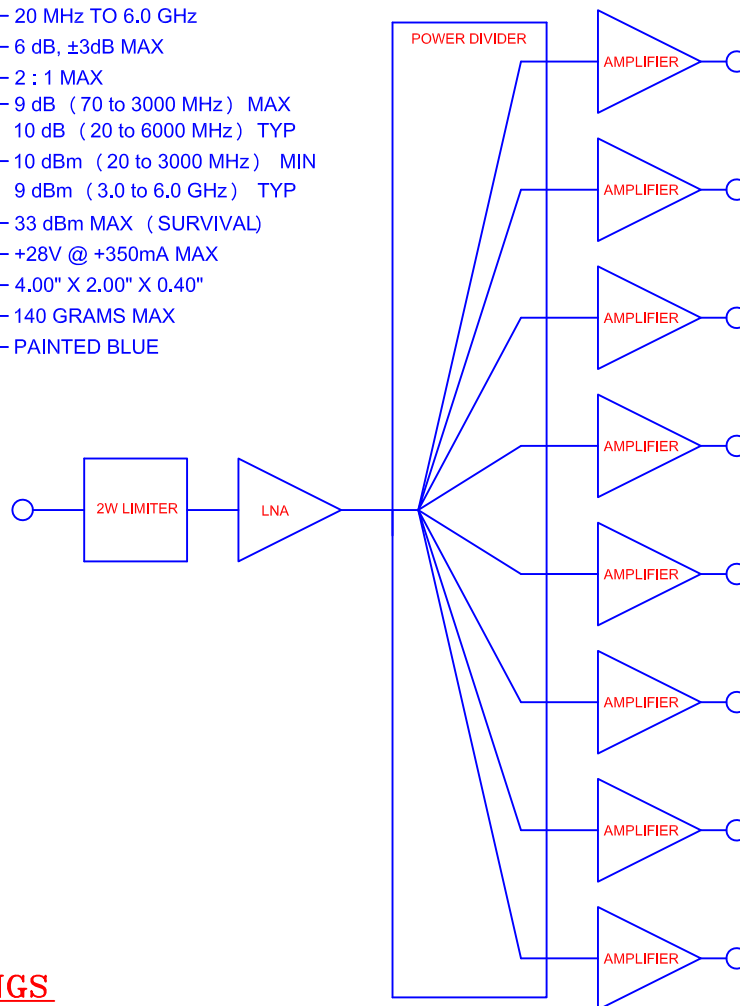
PIN	FUNCTION
1	GND
2	GND
3	+28 VDC
4	+28 VDC
5	GND
6	GND
7	GND
8	GND
9	GND

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +85°C (OPERATING)
-54°C TO +100°C (STORAGE)
- HUMIDITY: MIL-STD-202G, METHOD 103B COND. B
- SHOCK: MIL-STD-202G, METHOD 213B COND. B
- VIBRATION: MIL-STD-202G, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202G, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202G, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

BLOCK DIAGRAM

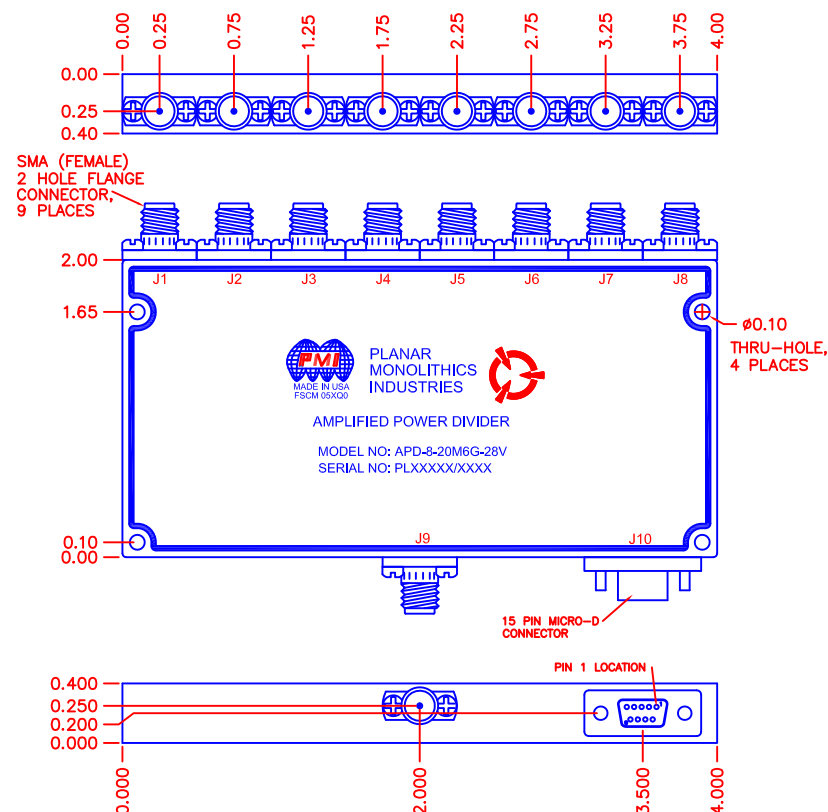


ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	3	PRELIMINARY RELEASE	12-22-14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		PJK		PRODUCT FEATURE	
MODIFIED				270XXXXX	
ISSUED				APD-8-20M6G-28V	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		270XXXXX	
SCALE		N:S		SHEET	
				1 OF 1	